

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A medical device, comprising:
a tubular member having a proximal end region and a distal end region;
a radiopaque marker band disposed over the tubular member, the marker band having an outer surface and an inner surface with one or more openings through the outer surface of the marker band; and
an outer layer disposed over the outer surface of the marker band, wherein the outer layer extends from the outer surface of the marker band into the openings in the marker band, [[and]] completely fills the openings, and is at least partially disposed between the tubular member and the inner surface of the radiopaque marker.
2. (Original) The medical device of claim 1, wherein the openings are defined by generally circular holes formed in the marker band.
3. (Original) The medical device of claim 1, wherein the openings are defined by generally oval holes formed in the marker band.
4. (Previously Presented) The medical device of claim 1, wherein the marker band includes two or more holes.
5. (Previously Presented) The medical device of claim 4, wherein the holes are aligned on opposite sides of the marker band.
6. (Previously Presented) The medical device of claim 4, wherein on opposite sides of the marker band the holes are offset.

7. (Original) The medical device of claim 1, wherein the outer layer extends through the openings and under a portion of the inner surface of the marker band.

8. (Previously Presented) The medical device of claim 1, wherein the marker band includes a proximal end region and a distal end region, and wherein the holes are defined by one or more slits in the proximal end region, the distal end region, or both.

9. (Original) The medical device of claim 8, wherein the slits are in the proximal end region and the distal end region, and wherein the slits in the proximal end region are aligned with the slits in the distal end region.

10. (Original) The medical device of claim 8, wherein the slits are in the proximal end region and the distal end region, and wherein the slits in the proximal end region are staggered relative to the slits in the distal end region.

11. (Currently Amended) A medical device, comprising:

a tubular member having a proximal end region and a distal end region;

a radiopaque marker band disposed over the tubular member, the marker band having an outer surface and an inner surface with one or more openings through the outer surface of the marker band;

~~an outer layer disposed over~~ surrounding the outer surface of the marker band, wherein the outer layer extends from the outer surface of the marker band into the openings in the marker band ~~[[and]] completely fills the openings, and is at least partially disposed between the tubular member and the inner surface of the radiopaque marker;~~ and

wherein the tubular member includes an outer surface, and wherein the outer surface is defined by a fluorocarbon polymer.

12. (Previously Presented) A medical device, comprising:

an elongate core member having a proximal end region and a distal end region;

a radiopaque marker band disposed over the core member, the marker band having one or more slits defined therein, the marker band having an inner surface and an outer surface; and

a coating disposed over the outer surface of the marker band, wherein the coating extends from the outer surface of the marker band toward the core member and completely fills the one or more slits of the marker band;

wherein the coating is at least partially disposed between the core member and the inner surface of the radiopaque marker.

13. (Original) The medical device of claim 12, wherein the core member forms a catheter shaft.

14. (Original) The medical device of claim 12, wherein the core member forms a guidewire.

15. (Original) The medical device of claim 12, wherein the coating extends through the slit of the marker band and along a portion of the inner surface of the marker band.

16. (Cancelled)

17. (Currently Amended) A radiopaque marker band adapted for being secured to an intravascular medical device, comprising:

a generally cylindrical body section having a first end surface, a second end surface and an annular wall extending from the first end surface to the second end surface, the body section having a first hole and a second hole defined therein;

wherein the first hole and the second hole are axially aligned on opposing sides of body section; and

wherein the body section includes one or more longitudinal slits, the one or more slits extending from the first end surface of the generally cylindrical body toward the second end surface of the generally cylindrical body.

18. (Previously Presented) The marker band of claim 26, wherein the one or more slits in the first end surface are aligned with the one or more slits in the second end surface.

19. (Previously Presented) The medical device of claim 26, wherein the one or more slits in the first end surface are staggered relative to the one or more slits in the second end surface.

20-22. (Canceled)

23. (Currently Amended) A guide catheter comprising:

an inner tubular member having a proximal region and a distal region;

a radiopaque marker band disposed over a portion of the inner tubular member at a selected location in the distal region, the radiopaque marker having an inner surface and an outer surface with at least one opening extending from the inner surface to the outer surface; and

an outer layer extending over the marker band and at least a portion of the inner tubular member, wherein a portion of the outer layer extends through the at least one opening and is in contact with the inner tubular member and completely fills the at least one opening;

wherein the outer layer is at least partially disposed between the inner tubular member and the inner surface of the radiopaque marker.

24. (Original) The guide catheter of claim 23, wherein the outer layer includes multiple segments of polymeric material having desired property variations.

25. (Original) The guide catheter of claim 23, wherein the portion of the outer layer extending through the at least one hole forms a bond to the inner tubular member.

26. (Previously Presented) The marker band of claim 17, further comprising one or more slits extending from the second end surface of the generally cylindrical body toward the first end surface of the generally cylindrical body.